



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO TX-SR501E. You'll find the answers to all your questions on the ONKYO TX-SR501E in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual ONKYO TX-SR501E**  
**User guide ONKYO TX-SR501E**  
**Operating instructions ONKYO TX-SR501E**  
**Instructions for use ONKYO TX-SR501E**  
**Instruction manual ONKYO TX-SR501E**

**ONKYO®**

AV Receiver

***TX-SR501***  
***TX-SR501E***

**Instruction Manual**

Thank you for purchasing the Onkyo AV Receiver. Please read this manual thoroughly before making connections and plugging in the unit. Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new AV Receiver. Please retain this manual for future reference.

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**Manual abstract:**

*REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. Important Safeguards 1. Read Instructions--All the safety and operating instructions should be read before the appliance is operated. 2. Retain Instructions--The safety and operating instructions should be retained for future reference. 3.*

*@@4. @@5.*

*Cleaning--Unplug the appliance from the wall outlet before cleaning. @@6. @@7. Water and Moisture--Do not use the appliance near water for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like. 8.*

*Accessories--Do not place the appliPORTABLE CART WARNING ance on an unstable cart, stand, tripod, bracket, or table. The appliance may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, triS3I25A pod, bracket, or table recommended by the manufacturer, or sold with the appliance. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. 9.*

*An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn. 10. Ventilation--Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the appliance and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the appliance on a bed, sofa, rug, or other similar surface. The appliance should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided. There should be free space of at least 8 in. (20 cm) and an opening behind the appliance. 11. Power Sources--The appliance should be operated only from the type of power source indicated on the marking label.*

*If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. 12. Grounding or Polarization--The appliance may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug. 13. Power Cord Protection--Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.*

*14. Outdoor Antenna Grounding--If an outside antenna or cable system is connected to the appliance, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antennadischarge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1. 15.*

*Lightning--For added protection for the appliance during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the appliance due to lightning and power-line surges. 16. Power Lines--An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.*

*17. Overloading--Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock. 18. Object and Liquid Entry--Never push objects of any kind into the appliance through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the appliance. 19. Servicing--Do not attempt to service the appliance yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel. 20. Damage Requiring Service--Unplug the appliance form the wall outlet and refer servicing to qualified service personnel under the following conditions: A.*

*When the power-supply cord or plug is damaged, B. If liquid has been spilled, or objects have fallen into the appliance, C. If the appliance has been exposed to rain or water, D. If the appliance does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the appliance to its normal operation, E. If the appliance has been dropped or damaged in any way, and F. When the appliance exhibits a distinct change in performance this indicates a need for service. 2 Important Safeguards--Continued 21. Replacement Parts--When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.*

*22. Safety Check--Upon completion of any service or repairs to the appliance, ask the service technician to perform safety checks to determine that the appliance is in proper operation condition. 23. Wall or Ceiling Mounting--The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer. 24.*

*Heat--The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat. 25. Liquid Hazards--The appliance should not be exposed to dripping or splashing and no objects filled with liquids, such as vases should be placed on the appliance. FIGURE 1: EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE, ANSI/NFPA 70 ANTENNA LEAD IN WIRE GROUND CLAMP ANTENNA DISCHARGE UNIT (NEC SECTION 810-20) ELECTRIC SERVICE EQUIPMENT GROUNDING CONDUCTORS (NEC SECTION 810-21) GROUND CLAMPS NEC NATIONAL ELECTRICAL CODE S2898A POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H) Precautions For British models Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.*



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For U.

S. models Note to CATV system installer: This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. FCC Information for User IMPORTANT The wires in the mains lead are coloured in accordance with the following code:

Blue: Neutral Brown: Live As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. CAUTION: The user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: · Reorient or relocate the receiving antenna.

· Increase the separation between the equipment and receiver. · Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. · Consult the dealer or an experienced radio/TV technician for help. IMPORTANT A 5 ampere fuse is fitted in this plug. Should the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 amperes and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark or the BSI mark on the body of the fuse. IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF Zone 2 Left 1 Surround Back Right Surround Back Right Zone 2 Right Zone 2 Right Front Left Front Left SP-B / Zone 2 Left SP-B / Zone 2 Left Front Right Front Right SP-B / Zone 2 Right SP-B / Zone 2 Right Surround Left Surround Left Surround Right Surround Right Center Center 2 3 Speaker Cable Not supplied with North American and European models. 75/300-ohm antenna adapter Remote controller & two batteries (AA/R6) Speaker cable labels \* In catalogs and on packaging, the letter added to the end of the product name indicates the color of the TX-SR501/TX-SR501E. Specifications and operation are the same regardless of color. Features Amp · 6-channel amplifier · 65 watts per channel into 8 ohms, 20 Hz-20 kHz with less than 0.08% total harmonic distortion · WRAT (Wide Range Amplifier Technology) · Optimum gain volume circuitry Audio/Video · Dolby\*1 Digital EX and Dolby Pro Logic II · DTS, DTS-ES Matrix/Discrete 6.1, and DTS Neo:6 processing\*2 · Cinema Filter function · Advanced 24-bit DSP chip (5 DSP soundfields) · Linear PCM 96 kHz/24-bit D/A converters on all channels · Adjustable crossover (60, 80, 100, 120, 150 Hz) · · · · · 2 component video inputs, 1 output 4 S-Video inputs, 2 outputs 3 assignable digital inputs (2 optical, 1 coaxial) Subwoofer pre out Color-coded multi-channel inputs Color-coded speaker terminal posts (SPEAKERS B use push-type terminals) FM/AM Tuner · 30 FM/AM presets · FM auto tuning · RDS (Radio Data System) (Europe only) \*1. Manufactured under license from Dolby Laboratories.

"Dolby," "Pro Logic," Surround EX," and the double-D symbol are trademarks of Dolby Laboratories.

\*2. "DTS," "DTS-ES Extended Surround," and "Neo:6" are trademarks of Digital Theater Systems, Inc. 4 Before Using the TX-SR501/TX-SR501E Setting the Voltage Selector (Worldwide model only) The Worldwide model has a voltage selector for compatibility with power systems around the world. Before you plug in this model, make sure that the voltage selector is set to the correct voltage for your area. If it isn't, use a small screwdriver to set it as appropriate. For example, if the voltage in your area is 120 volts (V), set the selector to "120V." button has no effect unless the POWER switch is set to ON. A POWER switch (24) The North American model doesn't have this switch. This is the main power switch. When set to OFF, the TX-SR501/TX-SR501E is completely shutdown. When set to ON, the TX-SR501/TX-SR501E is in Standby mode and the STANDBY indicator lights up. Don't turn on the power until you've completed, and double checked all connections (pages 1023). Note: Turning on the TX-SR501/TX-SR501E may cause a momentary power surge that might interfere with other electrical equipment on the same circuit. If this is a problem, plug the TX-SR501/TX-SR501E into a different branch circuit. C STANDBY indicator (24) This indicator lights up when the TX-SR501/TX-SR501E is in Standby mode, and it flashes while a signal is being received from the remote controller.

D DIMMER button (32) This button is used to adjust the display brightness. E DIGITAL INPUT button (24) This button is used to assign the digital inputs. F SUBWOOFER MODE button (25) This button is used to select the Subwoofer modes. 6 Controls & Connectors--Continued G MEMORY button (30, 31) This button is used when storing and deleting radio presets. O PHONES jack (33) This 1/4-inch phone jack is for connecting a standard pair of stereo headphones for private listening. H FM MODE button (31) This button is used to select the FM radio Stereo and Mono modes. It's also used when deleting radio presets.

P DISPLAY button (32) This button is used to display various information about the currently selected source. I TUNING [ ] [ ] buttons (30) These buttons are used to tune into radio stations. Q AUDIO SELECTOR button (28, 29) This button is used to select the input signal format.

J Remote control sensor (5) This sensor receives control signals from the remote controller. R Input selector buttons (24, 2830, 39) These buttons are used to select the audio and video sources: CD, DVD, TAPE, TUNER, VIDEO 1, VIDEO 2, or VIDEO 3.



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*K Listening mode buttons (36) These buttons are used to select the listening modes. S SPEAKER ADJUST button (25, 26) This button is used to adjust various speaker-related parameters. L PRESET/ADJUST [ ] [ ] buttons (25, 26, 31, 37) This button is used to select radio presets and adjust parameter values.*

*T AUDIO ADJUST button (37) This button is used to set the Bass, Treble, Late Night, Cinema Filter, Center Image, Panorama, Dimension, and Center Width functions. M MASTER VOLUME control (28, 30) This control is used to set the volume of the TX-SR501/TX-SR501E. U VIDEO 3 INPUT connectors (15, 39) These S-Video, composite video (RCA/phono), and analog audio (RCA/phono) inputs can be used to connect a video camera or games console. N SPEAKER A & B buttons (28, 32) These buttons are used to turn speaker sets A and B on and off. Display 1 2 3 4 5 For detailed information, refer to the pages in parenthesis.*

*6 AUTO (30): This indicator lights up when the Auto Tuning function is on. RDS (European model only) (31): This indicator lights up when the TX-SR501E is tuned into a radio station that supports RDS (Radio Data System). MEMORY (31): This indicator lights up when programming radio presets. FM STEREO (31): This indicator lights up when the TX-SR501/TX-SR501E is tuned into a stereo FM station. 1 A & B speaker indicators (28, 32) Indicator A lights up when speaker set A is on. Indicator B lights up when speaker set B is on. 2 MUTING indicator (33) This indicator flashes when the TX-SR501/TX-SR501E is muted. 3 Source/listening mode indicators (28, 36) These indicators display information about the currently selected source and listening mode. 5 SLEEP indicator (33) This indicator lights up when the Sleep function has been set. 4 Tuning indicators (30, 31) TUNED (30): This indicator lights up when the TX-SR501/TX-SR501E is tuned into a radio station.*

*6 Message area This area of the display shows various information about the currently selected source. 7 Controls & Connectors--Continued Rear Panel 1 2 3 4 5 6 COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT ANTENNA AM FM 75 Y AC OUTLET FRONT SPEAKERS B FRONT SPEAKERS A SURROUND SPEAKERS CENTER SPEAKER SWITCHED 100W MAX. PB L VIDEO 2 REMOTE CONTROL IN L PR VIDEO 1 OUT IN DVD IN MONITOR OUT OPTICAL 2 DIGITAL INPUT 1 L VIDEO COAXIAL R R R VOLTAGE SELECTOR SURROUND BACK SPEAKER 120 V S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R 220-230 V R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER 7 8 9 JK L M N K (19) O Worldwide model only For detailed information, refer to the pages in parenthesis. A COMPONENT VIDEO (10, 12, 14, 16) These RCA/phono connectors can be used to connect a TV, DVD player, or other AV component with component video inputs and outputs. B AM ANTENNA (22, 23) These push terminals are for connecting an AM antenna. C FM ANTENNA (22, 23) This connector is for connecting an FM antenna. This (Remote Interactive) connector can be connected to the connector on another Onkyo AV component, for example, a CD player, DVD player, or cassette recorder. The TX-SR501/TX-SR501E's remote controller can then be used to control that component. To use , you must make an analog RCA/phono connection between your TX-SR501/TX-SR501E and the other AV component, even if they are connected digitally. L VIDEO 1 IN/OUT & VIDEO 2 IN (10, 1416, 39) These connectors can be used to connect a VCR or other AV component.*

*There are RCA/phono connectors for connecting to stereo analog audio inputs and outputs, and S-Video and composite video (RCA/phono) connectors for connecting to video inputs and outputs. D FRONT SPEAKERS B (21) These push terminals are for connecting speaker set B. E FRONT SPEAKERS A, SURROUND SPEAKERS, CENTER SPEAKER & SURROUND BACK SPEAKER (21) These terminal posts are for connecting speaker set A, including the front, surround, center, and surround-back speakers. They accept bare wires or banana plugs (European models don't accept banana plugs). M DVD IN/MULTI CH INPUT (10, 12, 13) The FRONT, SURR, CENTER, and SUBWOOFER RCA/phono connectors can be used to connect AV components with multiple analog audio outputs, including DVD players with individual 5.*

*I surround analog outputs. There's an S-Video input and composite video (RCA/phono) input for connecting the video signal. F AC OUTLET (11) This switched AC outlet can be used to supply power to another AV component. The connector type depends on the country in which you purchased your TX-SR501/TX-SR501E. N MONITOR OUT (10, 12) These S-Video and composite video (RCA/phono) outputs can be connected to the video input on your TV or projector.*

*G DIGITAL INPUT OPTICAL 1, 2 & COAXIAL (10, 13, 14, 1618) These optical and coaxial connectors can be used to connect a CD, DVD, or LD (laser disc) player, or other AV component with digital outputs. O VOLTAGE SELECTOR (Worldwide model only) (5) This voltage selector provides compatibility with power systems around the world. H SUBWOOFER PRE OUT (21) This RCA/phono connector can be used to connect an active subwoofer. I CD IN (10, 17) These RCA/phono connectors can be used to connect a CD player with analog outputs. J TAPE IN/OUT (10, 17, 18) These RCA/phono connectors can be used to connect a cassette recorder, MiniDisc recorder, or other recorder with analog inputs and outputs. Tip: A turntable with a built-in preamp can be connected to a pair of unused TX-SR501/TX-SR501E analog inputs. To connect a turntable without a built-in preamp, you'll need a commercially available phono preamp. See pages 17 and 18 and the instructions supplied with your phono preamp and turntable for more information. 8 Controls & Connectors--Continued Remote Controller--RCVR Mode RC-518M (North American model) This page describes only those buttons that can be used to control the TX-SR501/TX-SR501E when the remote controller is in RCVR mode (Receiver mode). The other modes, and information on using the remote controller to control your other AV components, are explained on page 40.*

*To select RCVR mode, press the [RCVR] button. For detailed information, refer to the pages in parenthesis. 1 2 3 J K L Press this to select RCVR mode A SLEEP button (33) This button is used to set the Sleep function. This function can be set only with the remote controller. 4 5 B STANDBY/ON button (24) This button is used to set the TX-SR501/TX-SR501E to On or Standby. M N O C Listening mode buttons (36) These buttons are used to select the listening modes. D CINE FLTR button (37) This button is used to set the Cinema Filter function. E LATE NIGHT button (37) This button is used to set the Late Night function. 6 7 8 9 P F TEST, CH SEL & LEVEL [ ] [ ] buttons (27, 29, 33) These buttons are used to set the level of each speaker individually.*



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*This function can be set only with the remote controller.*

*G AUDIO SEL button (29) This button is used to select analog or digital inputs for the CD, DVD, TAPE, VIDEO 1, VIDEO 2, and VIDEO 3 sources. H Input selector buttons (28, 30, 39) RC-479S (other models) These buttons are used to select the audio and video sources: CD, DVD, TAPE, TUNER, VIDEO 1, VIDEO 2, and VIDEO 3. I 2 3 J K L Press this to select RCVR mode I MUTING button (33) This button is used to mute the TX-SR501/TX-SR501E. This function can be set only with the remote controller. J PRESET [ ] [ ] buttons (31) These buttons are used to select radio presets.*

*K DIMMER button (32) This button is used to adjust the display brightness. 4 5 M N O L Remote Controller Mode buttons (28, 40, 42) These buttons are used to select the remote controller modes. To select RCVR mode, press the [RCVR] button. M SP A & SP B buttons (28, 32) These buttons are used to turn on and off speaker sets A and B individually. N AUDIO ADJUST button (37) 6 7 8 9 P This button is used to set the Bass, Treble, Late Night, Cinema Filter, Center Image, Panorama, Dimension, and Center Width functions.*

*O ADJUST [ ] [ ] buttons (37) These buttons are used to adjust the functions selected with the AUDIO ADJUST button. P VOLUME [ ] [ ] buttons (27, 28, 33) These buttons are used to set the volume of the TX-SR501/ TX-SR501E. 9 Connecting Your AV Components Before Making Any Connections · Read the manuals supplied with your AV components. · Don't connect the power cord until you've completed all audio and video connections. Optical Digital Inputs The TX-SR501/TX-SR501E's optical digital connectors have a shutter-type cover that opens when an optical plug is inserted, and closes when it's removed. Push the plug in all the way. RCA/phono AV Connection Color Coding RCA/phono AV connections are usually color coded: red, white, and yellow. Use red plugs to connect right-channel audio inputs and outputs (typically labeled "R"). Use white plugs to connect left-channel audio inputs and outputs (typically labeled "L"). And use yellow plugs to connect composite video inputs and outputs.*

*Right (red) Left (white) (Yellow) Composite video Analog audio Right (red) Left (white) (Yellow) Right! · Push the plugs in all the way to make a good connection. · To prevent interference, keep audio and video cables away from power cords and speaker cables. Wrong! AV Cables & Connectors Video PR / CR PR / CR PB / CB Y S VIDEO Y PB PR Component video PB / CB Y Component video separates the luminance (Y) and color difference signals (PR, PB), providing the best picture quality. Some TV manufacturers label their component video inputs differently. S-Video provides better picture quality than composite video. Composite video can be found on virtually all TVs, VCRs, and video equipment. S-Video Composite video VIDEO Audio OPTICAL Optical digital Optical digital audio connections provide better audio quality than analog connections. Audio quality is the same as for coaxial. Coaxial digital audio connections provide better audio quality than analog connections. Audio quality is the same as for optical.*

*RCA/phono analog audio connectors can be found on virtually all AV components. To connect an AV component with multiple analog audio outputs, for example, a DVD player with individual 5.1 surround analog outputs, you need to make six connections, which can be done with three stereo RCA/phono audio cables. COAXIAL Coaxial digital AUDIO Analog L R FRONT SURR CENTER L Multi-channel connection R SUB WOOFER 10 Connecting Your AV Components--Continued Which Connections To Use? The TX-SR501/TX-SR501E offers several connection formats for compatibility with a wide range of AV equipment. The format you choose will depend on the formats supported by your AV components.*

*Use the following sections as a guide. When connecting video equipment, you need to make video and audio connections. Video Connection Formats Video equipment can be connected to the TX-SR501/ TX-SR501E using the following video connection formats: composite video, S-Video, or component video, the latter offering the best picture quality. When choosing a connection format, bear in mind that the TX-SR501/TX-SR501E doesn't convert between formats, so only output connectors of the same format as the input connector will output a signal, as shown below. For example, if you connect your DVD player to the S-VIDEO DVD IN, a video signal will be output by the S-VIDEO MONITOR OUT (for your TV) and the S-VIDEO VIDEO 1 OUT (for your VCR), but not the composite video or component video outputs.*

*TV, projector, etc. Using the AC OUTLET The switched AC outlet on the TX-SR501/TX-SR501E's rear panel can be used to supply power to another AV component, as shown. The connector type depends on the country in which you purchased your TX-SR501/TX-SR501E. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT ANTENNA AM FM 75 Y AC OUTLET FRONT SPEAKERS B FRONT SPEAKERS A SURROUND SPEAKERS CENTER SPEAKER AC 120 V 60 Hz SWITCHED 120 W 1 A MAX. PB L VIDEO 2 REMOTE CONTROL IN L PR VIDEO 1 OUT IN DVD IN MONITOR OUT OPTICAL 2 DIGITAL INPUT 1 L VIDEO COAXIAL R R R S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R SURROUND BACK SPEAKER R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER AV component Make sure that the wattage requirements of the AV component that you connect to the TX-SR501/TX-SR501E's AC outlet do not exceed the maximum wattage printed on the rear panel. DVD player, etc. Output Composite S-Video*

*Component TX-SR501/ TX-SR501E IN OUT Composite S-Video Component Input Composite S-Video Component Audio Connection Formats Audio equipment can be connected to the TX-SR501/ TX-SR501E using the following audio connection formats: analog, optical, coaxial, and multi-channel (5.1).*

*When choosing a connection format, bear in mind that the TX-SR501/TX-SR501E doesn't convert between formats, as shown below. For example, audio signals connected to the OPTICAL or COAXIAL digital input are not output by the analog TAPE OUT connectors, so if you want to record from, for example, your CD player, in addition to connecting it to a digital input, you must also connect it to the analog CD IN connectors.*

*DVD player, etc. Output Optical Coaxial Analog Multi-channel TX-SR501/ TX-SR501E IN MD recorder, etc. Input OUT Optical Not output Coaxial Not output Analog Analog Multi-channel Not output 11 Connecting Your AV Components--Continued Connecting Your TV or Projector Using Composite Video Connecting a DVD player Video Connections Using Composite Video Use a composite video cable to connect the TX-SR501/ TX-SR501E's VIDEO MONITOR OUT to a composite video input on your TV, as shown.*



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COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT ANTENNA AM FM 75 MONITOR OUT VIDEO Y PB Use a composite video cable to connect the TX-SR501/TX-SR501E's VIDEO DVD IN to the composite video output on your DVD player, as shown. · Your TV must also be connected via composite video. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL S VIDEO ANTENNA AM FM 75 DVD IN IN OUT IN IN OUT IN FRONT SURR CENTER Y L SUBWOOFER PRE OUT L L R VIDEO IN R VIDEO 2 VIDEO 1 DVD SUB WOOFER PB R CD TAPE PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO VIDEO OUT S VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL IN OUT IN IN OUT IN FRONT SURR CENTER DVD player TV, projector, etc. L SUBWOOFER PRE OUT L L R R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER Using S-Video Using S-Video Use an S-Video cable to connect the TX-SR501/TX-SR501E's S VIDEO MONITOR OUT to an S-Video input on your TV, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT Use an S-Video cable to connect the TX-SR501/TX-SR501E's S VIDEO DVD IN to the S-Video output on your DVD player, as shown. · Your TV must also be connected via S-Video. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT ANTENNA AM FM 75 Y MONITOR OUT ANTENNA AM FM 75 PB DVD IN Y PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO S VIDEO PB PR S VIDEO OPTICAL 2 OPTICAL 2 DIGITAL INPUT 1 COAXIAL VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO DIGITAL INPUT 1 COAXIAL S VIDEO OUT IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R IN OUT IN IN OUT IN FRONT SURR S VIDEO CENTER R CD TAPE VIDEO 2 VIDEO 1 R DVD L SUB WOOFER L L R DVD player S VIDEO IN SUBWOOFER PRE OUT R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER TV, projector, etc.

Using Component Video Using Component Video Use a component video cable to connect the TX-SR501/TX-SR501E's COMPONENT VIDEO OUT connectors to the component video inputs on your TV, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT Use a component video cable to connect the TX-SR501/TX-SR501E's COMPONENT DVD IN connectors to the component video outputs on your DVD player, as shown. · Your TV must also be connected via component video. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT ANTENNA AM FM 75 DVD IN Y Y PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO ANTENNA AM FM 75 OUT Y IN OPTICAL 2 DIGITAL INPUT 1 COAXIAL PB PR Y S VIDEO PB OUT IN IN OUT IN FRONT SURR CENTER L PR L L R VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO SUBWOOFER PRE OUT OPTICAL 2 DIGITAL INPUT 1 PB R CD TAPE COAXIAL R VIDEO 2 VIDEO 1 DVD SUB WOOFER S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER PR L SUBWOOFER PRE OUT L L R R CD TAPE VIDEO 2 VIDEO 1 DVD player R DVD SUB WOOFER COMPONENT VIDEO OUT Y PB PR TV, projector, etc. Y PB PR COMPONENT VIDEO IN 12 Connecting Your AV Components--Continued Audio Connections Using Optical or Coaxial Connections Using Multi-channel Connections · Use an optical digital audio cable to connect the TX-SR501/TX-SR501E's OPTICAL 1 DIGITAL INPUT to the optical output on your DVD player, as shown.

OR · Use a coaxial digital audio cable to connect the TX-SR501/TX-SR501E's COAXIAL DIGITAL INPUT to the coaxial output on your DVD player, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT Use a multi-channel RCA/phono audio cable to connect the TX-SR501/TX-SR501E's L/R FRONT, L/R SURR, CENTER, and SUB WOOFER DVD IN connectors to the 5.1 analog outputs on your DVD player, as shown. Alternatively, use three stereo RCA/phono audio cables. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT ANTENNA AM FM 75 Y FRONT SURR CENTER L DVD IN PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN MONITOR OUT VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL R S VIDEO IN IN OUT IN FRONT SURR CENTER IN OUT ANTENNA AM L FM 75 L L R DVD SUB WOOFER Y SUBWOOFER PRE OUT R PB R CD TAPE VIDEO 2 VIDEO 1 DVD SUB WOOFER PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO OPTICAL 1 IN OPTICAL 2 DIGITAL INPUT 1 COAXIAL COAXIAL S VIDEO FRONT L FRONT R SURR L SURR R CENTER L SUBWOOFER PRE OUT L L R R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER Connect one or the other DIGITAL OUT OPTICAL DIGITAL OUT COAXIAL Initially, the OPTICAL 1 digital input is assigned to the DVD input source.

If you connect your DVD player to a different digital input, you'll need to assign that input to the DVD input source (see page 24). Using Analog Connections DVD player L L CENTER Even if your DVD player is connected digitally (coaxial or optical), to use , or to record audio from your DVD player, you'll need to make analog connections as well. Use an RCA/phono audio cable to connect the TX-SR501/TX-SR501E's FRONT DVD IN connectors to the analog audio outputs on your DVD player, as shown. If your DVD player has L/R outputs and multi-channel 5.1 outputs, be sure to use the L/R outputs. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT R R FRONT SURR SUB WOOFER ANTENNA AM FM 75 Y PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER FRONT L L SUBWOOFER PRE OUT L L R R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER R DVD DVD player L R AUDIO OUTPUT SUBWOOFER DVD player FRONT R FRONT L CENTER SURR R SURR L SUBWOOFER OUT IN IN OUT IN FRONT SURR CENTER 13 Connecting Your AV Components--Continued Connecting a VCR for Playback Video Connections · Use an S-Video cable to connect the TX-SR501/TX-SR501E's S VIDEO VIDEO 2 IN to the S-Video output on your VCR, as shown. Your TV must also be connected via S-Video. OR · Use a composite video cable to connect the TX-SR501/TX-SR501E's VIDEO VIDEO 2 IN to a composite video output on your VCR, as shown. Your TV must also be connected via composite video. Audio Connections Use an RCA/phono audio cable to connect the TX-SR501/TX-SR501E's L/R VIDEO 2 IN connectors to the analog audio outputs on your VCR, as shown.



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COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT Connecting a D-VHS Recorder Video connections Use a component video cable to connect the TX-SR501/ TX-SR501E's COMPONENT VIDEO 1/2/3 IN connectors to the component video outputs on your D-VHS recorder, as shown. · Your TV must also be connected via component video. Audio connections · Use a coaxial digital audio cable to connect the TX-SR501/ TX-SR501E's COAXIAL DIGITAL INPUT to the coaxial output on your D-VHS recorder, as shown. OR · Use an optical digital audio cable to connect the TX-SR501/ TX-SR501E's OPTICAL 2 DIGITAL INPUT to the optical output on your D-VHS recorder, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 IN OUT ANTENNA AM FM 75 Y ANTENNA AM FM 75 Y PB PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL S VIDEO VIDEO 2 IN VIDEO IN PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL IN OUT IN IN OUT IN FRONT SURR CENTER S VIDEO L SUBWOOFER PRE OUT L L R VIDEO 1 / 2 / 3 IN Y OUT IN IN OUT IN FRONT SURR CENTER L R CD TAPE VIDEO 2 VIDEO 1 L L R R DVD SUB WOOFER S VIDEO IN SUBWOOFER PRE OUT R CD TAPE VIDEO 2 VIDEO 1 R DVD PB SUB WOOFER PR COAXIAL Connect one or the other VIDEO 2 OPTICAL 2 COMPONENT VIDEO OUT Y VIDEO OUT S VIDEO OUT L R AUDIO OUTPUT DIGITAL OUT COAXIAL PB PR Connect one or the other DIGITAL OUT OPTICAL VCR D-VHS recorder You may need to change the input source to digital input assignments (see page 24). 14 Connecting Your AV Components--Continued Connecting a VCR for Recording If your TV has AV outputs and you want to record from your TV to your VCR via the TX-SR501/ TX-SR501E, make the following connections. · Use an S-Video cable to connect the TX-SR501/ TX-SR501E's S VIDEO VIDEO 2 IN to an S-Video output on your TV, and use another S-Video cable to connect the TX-SR501/ TX-SR501E's S VIDEO VIDEO 1 OUT to an S-Video input on your VCR, as shown. OR · Use a composite video cable to connect the TX-SR501/ TX-SR501E's VIDEO VIDEO 2 IN to a composite video output on your TV, and use another composite video cable to connect the TX-SR501/ TX-SR501E's VIDEO VIDEO 1 OUT to a composite video input on your VCR, as shown. Use an RCA/phono audio cable to connect the TX-SR501/ TX-SR501E's L/R VIDEO 2 IN connectors to the analog audio outputs on your TV, and use another RCA/phono audio cable to connect the TX-SR501/ TX-SR501E's L/R VIDEO 1 OUT connectors to the analog audio inputs on your VCR, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT Connecting a Camcorder, Games Console, etc. Video Connections Using S-Video Use an S-Video cable to connect the TX-SR501/ TX-SR501E's S VIDEO VIDEO 3 INPUT to the S-Video output on your camcorder, games console, etc., as shown. · Your TV must also be connected via S-Video. MASTER VOLUME STANDBY/ON DIRECT STEREO SURROUND DSP POWER STANDBY ADJUST ON OFF DISPLAY DIMMER DIGITAL INPUT A SPEAKERS B SUBWOOFER MODE LEVEL CONTROL CH SEL SUBWOOFER LEVEL SPEAKER ADJUST AUDIO ADJUST PHONES AUDIO SELECTOR DVD VIDEO 1 VIDEO 2 VIDEO 3 TAPE TUNER CD VIDEO 3 INPUT VCR S VIDEO VIDEO L AUDIO R S VIDEO OUT S VIDEO Camcorder, games console, etc. Using Composite Video ANTENNA AM FM 75 Y PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R Use a composite video cable to connect the TX-SR501/ TX-SR501E's VIDEO VIDEO 3 INPUT to the composite video output on your camcorder, games console, etc. , as shown. · Your TV must also be connected via composite video. MASTER VOLUME STANDBY/ON DIRECT STEREO SURROUND R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER Connect one or the other SURROUND DSP VIDEO 2 IN VIDEO S VIDEO IN VIDEO 1 OUT VIDEO S VIDEO OUT POWER STANDBY ADJUST ON OFF DISPLAY DIMMER DIGITAL INPUT A SPEAKERS B SUBWOOFER MODE LEVEL CONTROL CH SEL SUBWOOFER LEVEL SPEAKER ADJUST AUDIO ADJUST PHONES AUDIO SELECTOR DVD VIDEO 1 VIDEO 2 VIDEO 3 TAPE TUNER CD VIDEO 3 INPUT VCR S VIDEO VIDEO L AUDIO R VIDEO 2 VIDEO 1 VIDEO OUT VIDEO Connect one or the other Camcorder, games console, etc. Audio Connections VIDEO OUT S VIDEO OUT L R AUDIO OUTPUT VIDEO IN S VIDEO IN L R AUDIO INPUT Use an RCA/phono audio cable to connect the TX-SR501/ TX-SR501E's L/R VIDEO 3 INPUT connectors to the analog audio outputs on your camcorder, games console, etc., as shown. MASTER VOLUME STANDBY/ON DIRECT STEREO SURROUND DSP TV VCR POWER STANDBY ADJUST ON OFF DISPLAY DIMMER DIGITAL INPUT A SPEAKERS B SUBWOOFER MODE LEVEL CONTROL CH SEL SUBWOOFER LEVEL SPEAKER ADJUST AUDIO ADJUST PHONES AUDIO SELECTOR DVD VIDEO 1 VIDEO 2 VIDEO 3 INPUT Note: The TX-SR501/ TX-SR501E must be turned on (not Standby) in order to record. If you want to record from your TV to your VCR without going through the TX-SR501/ TX-SR501E, connect your TV's AV outputs directly to your VCR's AV inputs. See the manuals supplied with your TV and VCR for details. VCR S VIDEO VIDEO L AUDIO R AUDIO OUTPUT L L AUDIO R Camcorder, games console, etc. R 15 Connecting Your AV Components--Continued Connecting a Satellite/Cable Tuner, LD player, etc. Video Connections Using Composite Video Audio Connections Using Coaxial or Optical Connections Use a composite video cable to connect the TX-SR501/ TX-SR501E's VIDEO VIDEO 2 IN to the composite video output on your satellite/cable tuner, LD player, etc., as shown. · Your TV must also be connected via composite video. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT · Use a coaxial digital audio cable to connect the TX-SR501/ TX-SR501E's COAXIAL DIGITAL INPUT to the coaxial output on your satellite/cable tuner, LD player, etc., as shown.

OR · Use an optical digital audio cable to connect the TX-SR501/ TX-SR501E's OPTICAL 2 DIGITAL INPUT to the optical output on your satellite/cable tuner, LD player, etc., as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT ANTENNA AM FM 75 Y PB ANTENNA AM PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO VIDEO 2 IN S VIDEO FM 75 Y OPTICAL 2 DIGITAL INPUT 1 COAXIAL PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER OPTICAL 2 L SUBWOOFER PRE OUT L L R OPTICAL 2 DIGITAL INPUT 1 COAXIAL S VIDEO COAXIAL R CD TAPE VIDEO 2 VIDEO 1 R DVD IN SUB WOOFER OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER Satellite/cable tuner, LD player, etc.



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VIDEO OUT Connect one or the other DIGITAL OUT OPTICAL DIGITAL OUT COAXIAL Using S-Video Use an S-Video cable to connect the TX-SR501/TX-SR501E's S VIDEO VIDEO 2 IN to the S-Video output on your satellite/cable tuner, LD player, etc., as shown. · Your TV must also be connected via S-Video. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT Satellite/cable tuner, LD player, etc. ANTENNA AM FM 75 Y PB VIDEO 2 IN VIDEO 2 REMOTE CONTROL IN PR VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO Initially, the VIDEO 2 input source is assigned to OPTICAL 2. If you connect to different audio input, you'll need to assign that input to the VIDEO 2 input source (see page 24). Using Analog Connections OPTICAL 2 DIGITAL INPUT 1 COAXIAL S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER Satellite/cable tuner, LD player, etc.

S VIDEO OUT If your satellite/cable tuner, LD player, etc., doesn't have digital audio outputs, or you want to record from it, you'll need to make the following analog connections. Use an RCA/phono audio cable to connect the TX-SR501/TX-SR501E's L/R VIDEO 2 IN connectors to the analog audio outputs on your satellite/cable tuner, LD player, etc., as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT Using Component Video ANTENNA AM FM 75 Use a component video cable to connect the TX-SR501/TX-SR501E's COMPONENT VIDEO 1/2/3 IN connectors to the component video outputs on your satellite/cable tuner, LD player, etc.

, as shown. · Your TV must also be connected via component video. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT Y PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO OPTICAL 2 DIGITAL INPUT 1 IN S VIDEO COAXIAL IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER VIDEO 2 ANTENNA AM FM 75 Y PB VIDEO 1 / 2 / 3 IN Y DVD IN IN PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT MONITOR OUT VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL PB PR Satellite/cable tuner, LD player, etc. AUDIO OUTPUT L R S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER COMPONENT VIDEO OUT Y PB Satellite/cable tuner, LD player, etc. PR Note: To connect the TX-SR501/TX-SR501E to a LD player's AC-3RF output, you need a commercially available demodulator.

16 Connecting Your AV Components--Continued Connecting a CD Player Using Coaxial or Optical Connections Connecting a Turntable Turntable with a Built-in Phono Preamp · Use a coaxial digital audio cable to connect the TX-SR501/TX-SR501E's COAXIAL DIGITAL INPUT to the coaxial output on your CD player, as shown. OR · Use an optical digital audio cable to connect the TX-SR501/TX-SR501E's OPTICAL 2 DIGITAL INPUT to the optical output on your CD player, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT Use an RCA/phono audio cable to connect the TX-SR501/TX-SR501E's L/R TAPE IN connectors to the audio outputs on your turntable, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT ANTENNA AM FM 75 Y PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER L ANTENNA AM FM 75 L L R SUBWOOFER PRE OUT Y R CD PB R TAPE VIDEO 2 VIDEO 1 DVD SUB WOOFER OPTICAL 2 IN OPTICAL 2 1 PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO COAXIAL S VIDEO DIGITAL INPUT COAXIAL IN L R TAPE AUDIO OUTPUT L R OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER Connect one or the other DIGITAL OUT OPTICAL DIGITAL OUT COAXIAL Turntable without a Built-in Phono

Preamp CD player Use an RCA/phono audio cable to connect the TX-SR501/TX-SR501E's L/R TAPE IN connectors to the audio outputs on your phono preamp, and use another RCA/phono audio cable to connect the phono preamp's inputs to your turntable, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT ANTENNA AM Initially, the COAXIAL digital input is assigned to the CD input source. If you connect your CD player to a different digital input, you'll need to assign that input to the CD input source (see page 24). Using Analog Connections FM 75 Y PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER Even if your CD player is connected digitally (coaxial or optical), to use , or to record audio from your CD player, you'll need to make analog connections as well. Use an RCA/phono audio cable to connect the TX-SR501/TX-SR501E's L/R CD IN connectors to the analog audio outputs on your CD player, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT IN AUDIO OUTPUT L R TAPE ANTENNA AM FM 75 Phono preamp Y PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO IN L S VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL AUDIO OUTPUT L AUDIO INPUT L R IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R R R CD TAPE VIDEO 2 VIDEO 1 R DVD CD SUB WOOFER R CD player AUDIO OUTPUT L R 17 Connecting Your AV

Components--Continued Turntable with an MC-type (Moving Coil) Cartridge Use an RCA/phono audio cable to connect the TX-SR501/TX-SR501E's L/R TAPE IN connectors to the audio outputs on your phono preamp. Use another RCA/phono audio cable to connect the phono preamp's inputs to your MC head amp's outputs.

And use another RCA/phono audio cable to connect the MC head amp's inputs to your turntable, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT Connecting a DAT or CD/MD Recorder Using Coaxial or Optical Connections (playback only) ANTENNA AM FM 75 Y PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO OPTICAL 2 DIGITAL INPUT 1 COAXIAL · Use a coaxial digital audio cable to connect the TX-SR501/TX-SR501E's COAXIAL DIGITAL INPUT to the coaxial output on your DAT or CD/MD recorder, as shown. OR · Use an optical digital audio cable to connect the TX-SR501/TX-SR501E's OPTICAL 2 DIGITAL INPUT to the optical output on your DAT or CD/MD recorder, as shown.



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S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT ANTENNA AM FM 75 Y PB IN Phono preamp L R AUDIO INPUT AUDIO OUTPUT L R PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO OPTICAL 2 IN OPTICAL 2 DIGITAL INPUT 1 COAXIAL S VIDEO OUT IN IN OUT IN IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R TAPE R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER MC head amp AUDIO OUTPUT L R AUDIO INPUT L R Connect one or the other DIGITAL OUT OPTICAL DIGITAL OUT COAXIAL DAT or CD/MD recorder Connecting a Cassette Recorder Use an RCA/phono audio cable to connect the TX-SR501/TX-SR501E's L/R TAPE IN connectors to the cassette recorders outputs, and use another RCA/phono audio cable to connect the TX-SR501/TX-SR501E's L/R TAPE OUT connectors to the cassette recorders inputs, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT You may need to change the input source to digital input assignments (see page 24). Using Analog Connections (recording & playback) ANTENNA AM FM 75 Y PB PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO Use an RCA/phono audio cable to connect the TX-SR501/TX-SR501E's L/R TAPE IN connectors to the DAT or CD/MD recorder outputs, and use another RCA/phono audio cable to connect the TX-SR501/TX-SR501E's L/R TAPE OUT connectors to the DAT or CD/MD recorder inputs, as shown. COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT OPTICAL 2 DIGITAL INPUT 1 COAXIAL S VIDEO OUT IN ANTENNA AM FM 75 IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R Y PB R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER PR VIDEO 2 REMOTE CONTROL IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO TAPE OPTICAL 2 DIGITAL INPUT 1 COAXIAL S VIDEO OUT IN IN OUT IN IN OUT IN FRONT SURR CENTER L L L R REC PLAY (IN) (OUT) SUBWOOFER PRE OUT R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER TAPE / IN OUT DAT or CD/MD recorder 18 Connecting -compatible AV Components Auto Source Select With (Remote Interactive) you can control your compatible Onkyo CD player, DVD player, or cassette recorder with the TX-SR501/TX-SR501E's remote controller, and use the following special functions: Auto Power On When you press the play button on an AV component connected via , the TX-SR501/TX-SR501E automatically selects that AV component as the input source. Auto Power Off When you turn on an AV component connected via while the TX-SR501/TX-SR501E is in Standby, the TX-SR501/TX-SR501E automatically turns on and selects that AV component as the input source. This function will not work if the AV component's power cord is connected to the TX-SR501/TX-SR501E's AC OUTLET, or if the TX-SR501/TX-SR501E is already on. When you set the TX-SR501/TX-SR501E to Standby, all AV components connected via also enter Standby.

See page 40 for information on using the remote controller to control the other functions of your -compatible AV components. Connecting To use with an Example: -compatible Components , you need to connect the TX-SR501/TX-SR501E's connector to the connector on the other AV component cable. An cable is supplied with each -compatible CD player, DVD player, and cassette recorder. Onkyo DVD player Connecting several -compatible Onkyo AV components L DIGITAL OUT OPTICAL REMOTE CONTROL TX-SR501/TX-SR501E REMOTE CONTROL R ANALOG OUTPUT connector Onkyo CD player You must make an analog RCA/phono connection between your TX-SR501/TX-SR501E and AV component, even if they are connected digitally. connector cable Onkyo cassette recorder COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT ANTENNA AM FM 75 Y FRONT SPEAKERS B PB FRONT SPEAKERS A SURROUND SPEAKERS CENTER SPEAKER L VIDEO 2 REMOTE CONTROL IN L Disconnect the power AC 120 V 60 Hz SWITCHED 120 W 1 A before making cord MAX.

any connections! AC OUTLET PR VIDEO 1 OUT IN DVD IN MONITOR OUT OPTICAL 2 DIGITAL INPUT 1 L VIDEO COAXIAL R R R S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R SURROUND BACK SPEAKER R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER Notes: · Push the plugs in all the way to make a good connection. · Use only cables for connections. · You must make an analog RCA/phono connection between your TX-SR501/TX-SR501E and the other AV component, even if they are connected digitally. · If an AV component has two connectors, you can connect either one to the TX-SR501/TX-SR501E. The other connector is for connecting additional -compatible components.

· Connect the TX-SR501/TX-SR501E's connector to only Onkyo AV components. Connecting to other manufacturer's AV components may cause them to malfunction. · Some Onkyo -compatible AV components may not support the special functions described above. 19 Installing Your Speakers You can use two sets of speakers with your TX-SR501/TX-SR501E: speaker set A and speaker set B. With speaker set A, which should be installed in your main listening room, and can be used with Dolby Digital or DTS surround material, you can connect front-left, front-right, center, surround-left, surround-right, surround-back, and subwoofer speakers. With speaker set B, which can be installed in another room, and used with stereo or mono material, you can connect a pair of standard hi-fi speakers. Surround Speakers Surround speakers add a sense of movement and put you, the listener, in the middle of the action. · The surround-left and surround-right speakers should be installed at the sides, or slightly behind the listener, 23 ft. (60100 cm) above ear level, and against the side walls. The surround-back speaker should be installed behind the listener also at 23 ft.

(60100 cm) above ear level. Make sure that the listening position is within the range of the speakers. Subwoofer Positioning Your Speakers Speaker-set B can be positioned in the standard position for stereo speakers or where you like. Speaker-set A, however, must be positioned at specific points in your listening room to achieve the best results from surround sound material. The following illustration shows the best positions for your surround-sound speakers. Obviously, the positions you choose will depend on the shape of your room and the position of your TV or projector screen. Either way, use this illustration as a guide and try to use the same positions relative to your listening position.



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You'll need a subwoofer with a built-in power amp, what's known as an active subwoofer, to achieve the best bass performance. · The volume and quality of the bass output from your subwoofer will depend on its position, the shape of your listening room, and your listening position. In general, a good bass sound can be obtained by installing the subwoofer in a front corner, or at one-third the width of the wall, as shown.

1/3 1/3 1/3 TV/screen Corner Fron rig tspe ht ake r ntFro ft le er ak spe Subwoofer Center speaker 1/3 wall length See the instructions supplied with your speakers for more information. Surround-left speaker Surround-right speaker Attaching the Supplied Speaker Labels Speaker cables are two-wire cables, with one wire for connecting to the positive (+) terminal, and one for connecting to the negative (-) terminal. The TX-SR501/TX-SR501E's positive (+) speaker terminals are color-coded for ease of identification. (The negative (-) speaker terminals are black.) Speaker terminal Front left Front right Center Surround left Surround right Surround back White Red Green Blue Gray Brown Surround-back speaker To get the most from surround sound, you should connect all seven speakers.

However, if you don't connect a center speaker or surround speakers, you can still enjoy surround sound material by specifying the number of speakers connected, and the TX-SR501/TX-SR501E will produce the best surround sound possible with the available speakers. See page 34. Similarly, if you don't have a subwoofer, you can turn off the subwoofer so that bass sounds are produced by the other speakers. See page 25. Front Speakers Color The supplied speaker labels are also color-coded and you should attach them to the positive side of each speaker cable as appropriate.

For example, put the white labels on the positive sides of the front-left speaker cable, as shown below. Front speakers consist of front-left, front-right, and center speakers. The center speaker adds directionality and movement. · In general, the front-left, front-right, and center speakers should be installed facing the listener at ear-level. Front-left speaker 20 Installing Your Speakers--Continued Connecting Your Speakers Before you connect your speakers, read the following: · Disconnect the power cord from the wall outlet. · Read the instructions supplied with your speakers. · Pay close attention to speaker wiring polarity. In other words, connect positive (+) terminals only to positive (+) terminals, and negative (-) terminals only to negative (-) terminals. If you get them the wrong way around, the sound will be out of phase and will sound odd. · Only use speakers with an impedance of between 6 and 16 ohms.

Connecting speakers with an impedance of less than 6 ohms may damage your TX-SR501/TX-SR501E. · Unnecessarily long, or very thin speaker cables may affect the sound quality and should be avoided. · Be careful not to short the positive and negative connections. Doing so may damage your TX-SR501/TX-SR501E. · Don't connect more than one cable to each speaker terminal. Doing so may damage your TX-SR501/TX-SR501E. · If you want to connect a single speaker instead of a pair of speakers, don't connect it to both the left and right speaker terminals. Connecting Speaker Set A 1 Strip 5/8" (15 mm) of insulation from the ends of the speaker cables, and twist the bare wires tightly, as shown. Unscrew the terminal. 5/8" (15 mm) 2 3 4 Fully insert the wire.

Screw the terminal tight. Connecting Speaker Set B 1 Strip 3/8" (10 mm) of insulation from the ends of the speaker cables, and twist the bare wires tightly, as shown. While pressing the lever, insert the wire into the hole, and then release the lever. Make sure that the terminals are gripping the bare wires, not the insulation. 3/8" (10 mm) L L 2 R R The following illustration shows which speakers should be connected to which terminals.

Speakers Set A Active subwoofer The SUBWOOFER PRE OUT should be connected to the input on your active COMPONENT VIDEO subwoofer. If your ANTENNA subwoofer doesn't have an Y amp built-in, you'll need to PB use an external amp. See the manual supplied with VIDEO 2 PR your subwoofer for more DIGITAL INPUT information. VIDEO 1 / 2 / 3 DVD IN IN OUT AM REMOTE CONTROL IN OPTICAL 2 COAXIAL 1 IN OUT IN IN Frontright speaker Frontleft speaker Surroundright speaker Surroundleft speaker Center speaker Surroundback speaker FM 75 AC OUTLET FRONT SPEAKERS B FRONT SPEAKERS A SURROUND SPEAKERS CENTER SPEAKER AC 120 V 60 Hz SWITCHED 120 W 1 A MAX. L VIDEO 1 OUT IN L DVD IN MONITOR OUT L VIDEO R R R S VIDEO OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R SURROUND BACK SPEAKER R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER Frontright speaker Frontleft speaker Speakers Set B 21 Connecting Antenna This chapter explains how to connect the supplied indoor FM antenna and AM loop antenna, and how to connect commercially available outdoor FM and AM antennas.

AM antenna push terminals FM antenna connector COMPONENT VIDEO VIDEO 1 / 2 / 3 DVD IN IN OUT Connecting the AM Loop Antenna The supplied indoor AM loop antenna is for indoor use only. 1 AC OUTLET SWITCHED 100W MAX. Assemble the AM loop antenna, inserting the tabs into the base, as shown. ANTENNA AM FM 75 Y FRONT SPEAKERS B PB FRONT SPEAKERS A SURROUND SPEAKERS CENTER SPEAKER L VIDEO 2 REMOTE CONTROL IN L PR VIDEO 1 OUT IN DVD IN MONITOR OUT OPTICAL 2 DIGITAL INPUT 1 L VIDEO COAXIAL R R R VOLTAGE SELECTOR SURROUND BACK SPEAKER 120 V S VIDEO IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L L R 220-230 V R CD TAPE VIDEO 2 VIDEO 1 R DVD SUB WOOFER Connecting the Indoor FM Antenna The supplied indoor FM antenna is for indoor use only. 2 1 Attach the FM antenna, as shown. North American Model FM 75 Connect both wires of the AM loop antenna to the AM push terminals, as shown. (The antenna's wires are not polarity sensitive, so they can be connected either way around). Make sure that the wires are attached securely and that the push terminals are gripping the bare wires, not the insulation. Insert the plug fully into the socket. Push Insert wire AM Release Other Models FM 75 Insert the plug fully into the socket.

Once your TX-SR501/TX-SR501E is ready for use, you'll need to tune into an FM radio station and adjust the position of the FM antenna to achieve the best possible reception. 2 Use thumbtacks or something similar to fix the FM antenna into position. Once your TX-SR501/TX-SR501E is ready for use, you'll need to tune into an AM radio station and adjust the position of the AM antenna to achieve the best possible reception.



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